IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A method of controlling a radio repeater in a radio communication system comprising network elements and subscriber stations in data transmission connection with each other via said radio repeater, and a subscriber station management system supervising and controlling the operation of the subscriber stations by control signals transmitted via a radio path, wherein

said radio repeater is provided with a radio receiver for receiving radio signals and with a radio transmitter for transmitting said received signals to the subscriber stations, and said radio repeater is connected to a subscriber station that is one of the subscriber stations,

control means ~~are arranged to the subscriber station~~ for controlling and supervising the radio repeater, and

the radio repeater is controlled by means of the subscriber station management system by transmitting control signals from the subscriber station management system via a radio path to the control means ~~of the subscriber station~~, in response to which control signals the control means control and supervise the operation of the radio repeater such that the frequency channels received by the radio receiver and the frequency channels used by the radio transmitter change.

2. (Previously Presented) A method as claimed in claim 1, wherein the network elements consist of base stations.

3. (Previously Presented) A method as claimed in claim 1, wherein the control means arranged to the subscriber station comprise at least a memory and processing means, the method further comprising:

storing a control program in the memory of the subscriber station to control the radio repeater, and

adapting the processing means to control the radio repeater on the basis of the control program stored in the memory and the control signals transmitted by the subscriber station management system.

4. (Previously Presented) A radio communication system comprising:

subscriber stations comprising means for transmitting and receiving telecommunication signals on a radio path,

network elements in data transmission connection with the subscriber stations by radio signals via a radio repeater, said radio repeater comprising a radio receiver for receiving radio signals and a radio transmitter for transmitting said received signals to said subscriber stations,

at least one subscriber station to which said radio repeater is connected,

a subscriber station management system comprising means for controlling and supervising the operation of the subscriber stations by means of radio signals transmitted to the subscriber stations via the network elements, and for controlling and supervising the radio repeater connected to the subscriber station by means of control signals transmitted to the subscriber station by radio signals such that the frequency channels received by the radio receiver and the frequency channels used by the radio transmitter change.

5. (Previously Presented) A communication system as claimed in claim 4, wherein the network elements are base stations.

6. (Previously Presented) A communication system as claimed in claim 4, wherein said subscriber station is a WLL terminal, and said subscriber station management system is the management system of the WLL terminals.

7. (Previously Presented) A communication system as claimed in claim 4, wherein the subscriber station comprises control means for controlling and supervising the operation of the radio repeater connected to a control bus in the subscriber station, and that the subscriber station management system comprises means for controlling the control means of the subscriber station via control signals transmitted to the subscriber station.

8. (Previously Presented) A communication system as claimed in claim 4, wherein the subscriber station comprises processing means, a memory and means for storing a predetermined control program of the radio repeater in the memory, whereby the processing means control said radio repeater on the basis of the program stored in the memory and the control signals conveyed by the subscriber station management system.

9. (Previously Presented) A subscriber station in a communication system comprising:

means for transmitting and receiving telecommunication signals over a radio path in order to set up a data transmission connection to other parts of the system,

means for controlling the operation of the subscriber station in response to control signals received via the radio path and for transmitting data on the state of the subscriber station to other parts of the system via the radio path,

connecting means for connecting a radio repeater comprising a radio receiver for receiving radio signals and a radio transmitter for transmitting said received signals to subscriber stations to the subscriber station, and

control means which in response to control signals received via the radio path control and supervise the operation of the radio repeater which is connected to the subscriber station such that the frequency channels received by the radio receiver and the frequency channels used by the radio transmitter change.

10. (Cancelled)

11. (Previously Presented) A subscriber station as claimed in claim 9, wherein said subscriber station is a WLL terminal, and that said control means control the operation of the radio repeater connected to the subscriber station in response to the control signals received from a management system of the WLL terminals via the radio path.

12. (Previously Presented) A subscriber station as claimed in claim 9, wherein the subscriber station comprises processing means, a memory and means for storing a predetermined control program of the radio repeater in the memory, whereby the processing means control said radio repeater on the basis of the program stored in the memory and the control signals conveyed by a management system.

13. (Cancelled)